

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2008/000367

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. Cl. <b>C12Q 1/68 (2006.01)</b> According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIDS, MEDLINE CAPLUS, KEYWORDS: RIBONUCLEIC ACID, SECONDARY STRUCTURE, SULFITE, CITRATE, ACETATE, HYDROXYLAMINE, INTERCALATING, C12Q1/68 and similar terms		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<input checked="" type="checkbox"/> X Y	US20060166203 A1 (TOOKE) 27 July 2006 Claims, 1, 25, paragraphs [0041-0090] Whole document	<u>1, 2, 5-16, 19</u> 3, 17, 18, 20
<input checked="" type="checkbox"/> X Y	US20070042365 A1 (MILLAR et al) 22 February 2007 Abstract, [0014-0016], [0070][0087][0123] Paragraph [0162]	<u>1, 2, 4-7, 16</u> 3, 8-9, 17-20
<input checked="" type="checkbox"/> X Y	WO2004096825 A (HUMAN GENETIC SIGNATURES PTY LTD) 11 Nov. 2004 P5 lines 22-33, p7 lines 15-20, p 23 lines 5-33, figure 5, claims 5, 6, 10, 18, 25-27 Page 21, lines 20-25, claim 6	<u>1, 2, 5-7, 10-13, 16</u> 3, 8-9, 14, 15, 17-20
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search <b>28 April 2008</b>		Date of mailing of the international search report <b>14 MAY 2008</b>
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. +61 2 6283 7999		Authorized officer <b>Ross Osborne</b> AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No : (02) 6283 2404

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2008/000367

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages (Remove spaces when completed if the page is too long)	Relevant to claim No.
X	US20060051771 A1 (MURPHY et al) 9 March 2006 Abstract, paragraphs [0020][0022][0118][0121], example 1, claims 1, 58 and 65	1, 2, 5-7, 10-13, 16
Y	Claim 1, [0020][0022]  Kozak et al, Influence of secondary structure on binding and migration of 40S ribosomal subunits, Cell, (1980) Vol 19, p79-90	3, 8-9, 14-15, 17-20
Y	Abstract, p83, 89	8-9, 14-15
Y	US6156501 A (McGALL et al) 5 December 2000 Abstract, column 7 lines 39-58, claims 26-42	3, 17-18, 20
P,A	US20070264653 A1 (BERLIN et al) 15 November 2007 Abstract, [0098] [0152] [0385], claims 9-10	3, 17-18
A	Ratushna VG, et al, Secondary structure in the target as a confounding factor in synthetic oligomer microarray design, BMC Genomics (2005, Mar) Vol 6 No 1 p31 Abstract	1
P, A	US20070190530 A1 (BIRKNER et al, )16 August 2007 Abstract, claims	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2008/000367

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member		
US	2006166203	AU	2003265185	WO	2004029294
US	2007042365	AU	2004206037	CN	1764729
		WO	2004065625	EP	1592807
WO	2004096825	AU	2004234019	CN	1784417
		US	7288373	US	2004219539
US	2006051771	EP	1786930	US	7361465
US	6156501	EP	0705271	WO	2006029350
		AU	30090/97	AU	72124/94
		EP	0785280	AU	81266/94
		HK	1014561	EP	0742287
		US	5837832	EP	0970251
		US	5968740	JP	2005058238
		US	6268152	JP	2004105189
		US	6309823	US	5858659
		US	6632605	US	5861242
		US	7115364	US	6027880
		US	2002177131	US	6045996
		US	2003165823	US	6284460
		US	2004072202	US	6284460
		US	2006110752	US	6300063
		US	2007054286	US	6468744
		WO	9511995	US	6586186
		WO	9743450	US	6852488
				US	6953663
				US	2002048749
				US	2002098496
				US	2003054393
				US	2003134291
				US	2003165830
				US	2003232361
				US	2005208517
				US	2006110727
				US	2006229824
				US	2006263807
				WO	9500530
				WO	9830883
US	2007264653	EP	1842926		
US	2007190530	CA	2547743	EP	1692315
				WO	2005054502
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					

(To add more lines press TAB at end of last row, remove paragraph marker to join up 'END OF ANNEX' box)